

Patent Claims

1. Method for providing data for a milk amount detection system of a milking installation, comprising the following steps:
 - A) Determination of at least one first value (K1) of at least one parameter (K) of the milked milk with a first sensor (4) at least during at least one part of a milking process or following a milking process;
 - B) Determination of at least one second value of at least one parameter (K) of the milked milk with a second sensor, which is characteristic for the milk of at least two animals and/or several milking processes and/or at least two milking stations
 - C) Determination of at least one correction quantity (KG) from a function of at least the first value (K1) and second value (K2) which can serve as correction value (KW) for subsequent measured value determinations of the first sensor (4).
2. Method according to Claim 1, in which at least one parameter is determined which is taken from a group of parameters, whereby this group comprises a milk amount, an inhibitor content, a cell number, a fat content, an electrical conductivity value, a fraction of components, a pH value of the milk, a capacitance, an inductance, a number and/or dimensions of flakes, a color, an optical characteristic and an acoustical characteristic of the milk.
3. Method according to Claim 1 or 2, characterized by the fact that the second sensor (9) detects values of the parameter (K) in a milk collecting container (8).
4. Method according to one of the previous claims in which at least one preferably all first sensors (4) are assigned the same correction value (SW) [sic].
5. Method according to one or several of the previous claims in which the individual animal data and/or milk-station-specific influences are taken into consideration.
6. Method according to one of the previous claims, characterized by the fact that at least one first value (K1) of at least one parameter (K) of the milk is detected at the milking machine (3).

7. Method according to one of the previous claims, in which the parameter (K) includes at least the amount of milked milk, characterized by the fact that from the correction quantity (KG) and/or the correction value (KW) leaks in the milking machine (3) and/or in a milk line (5, 6, 7) and/or in the milk collecting container (8) are concluded to be present.
8. Method according to one of the previous claims, in which the parameter (K) includes at least the amount of milk milked, characterized by the fact that the second sensor (9) detects the amount of milked milk at least optically, acoustically and/or mechanically.
9. Method for adjusting a milk amount detection system of a milking installation, in which at least one correction quantity (KG) is determined according to one of Claims 1 to 8 and at least one first sensor (4) is adjusted with this correction quantity (KG), preferably automatically.
10. Milk amount detection system for a milking installation, comprising the following:
 - at least one first sensor (4) which detects at least one first value (K1) of at least one parameter (K) at the milking station;
 - at least one second sensor (9), which is to be assigned to a milk collection container (8) and detects at least one second value (K2) of at least one parameter (K) of the milk in the milk collection container (8); and
 - a control unit (10) which is connected to the sensors (4, 9) through signal lines (11) and which reads in the values (K1, K2) detected by the sensors (4, 9), stores them and/or processes them,characterized by the fact that the control unit (10) determines at least one correction quantity (KG) from at least one first value (K1) and at least one second value (K2) of the parameter (K) and uses this correction quantity (KG) as the correction value (KW) in order that future measured values (K1) of at least one first sensor (4) be corrected.
11. Milk amount detection system according to Claim 10, characterized by the fact that the control unit (10) has memory means for storing at least animal-specific, milking machine-specific and/or milking parlor-specific information.
12. Milk amount detection system according to one of Claims 10 or 11, characterized by the fact that the sensors (4, 9) are suitable and intended for determining at least one of the following quantities, which is taken from a group of parameters, whereby this group comprises a milk amount, an inhibitor content, a cell number, a fat content, an electrical

conductivity value, a fraction of components, a pH value of the milk, a capacitance, an inductance, a number and/or dimension of flakes, a color, an optical characteristic and an acoustical characteristic of the milk.

13. Device according to one of Claims 10 to 12, characterized by the fact that at least one first sensor (4) in the milking machine (3) or in the milk line (5, 6) is designed to run from milking machine (3) to milk collecting container (8).